

Amendments to the Claims

1. (Currently amended) A method of manufacture, remanufacture, or repair of a compressor having:
 - a rotor having a working portion having a first end face;
 - a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face, the method comprising:
 - positioning one or more spacer elements from the first housing element;
 - machining the one or more spacer elements; and
 - applying a coating to the first housing element over the first surface around the one or more spacer elements.
2. (Original) The method of claim 1 wherein there are a plurality of such spacer elements.
3. (Original) The method of claim 2 wherein the machining of the spacer elements provides coplanarity of first end surfaces of the spacer elements.
4. (Currently amended) The method of claim 3 further comprising:
 - plastically deforming the coating to a thickness associated with a height of the one or more spacer elements.
5. (Original) The method of claim 4 wherein the thickness is between 40 and 250 μm .
6. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing.
7. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing with said rotor.

8. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing with a flat element.
9. (Currently amended) The method of claim 1 wherein the positioning of the one or more spacer elements comprises press fitting.
10. (Original) The method of claim 1 wherein there are between 3 and 5 spacer elements.
11. (Currently amended) The method of claim 1 further comprising removing old spacer elements before inserting the ~~at least one~~ or more spacer element.
12. (Original) The method of claim 1 wherein the rotor is a screw-type male rotor and the compressor further includes at least one screw-type female rotor enmeshed with the male rotor.
13. (Withdrawn) A method of manufacture, remanufacture, or repair of a compressor having:
a rotor having a working portion having a first end face;
a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face rotor working portion, the method comprising:
applying a coating over the first surface around a plurality of spacers elements protruding from the first housing element; and
plastically deforming the coating by compressing the coating.
14. (Withdrawn) The method of claim 1 wherein:
the compressing comprises compressing with the rotor.
15. (Withdrawn) The method of claim 1 wherein:
the compressing comprises compressing with a flat plate.
16. (Withdrawn) A method of manufacture, remanufacture, or repair of a compressor having:

a rotor having a working portion having a first end face;
a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face rotor working portion, the method comprising the steps of:

one or more steps for providing at least one spacer element protruding from the first housing element;

one or more steps for applying a coating over the first surface; and

one or more steps for precompressing the applied coating.

17. (Withdrawn) The method of claim 16 wherein:

the one or more steps for providing at least one spacer element protruding from the first housing element includes an inserting step and a machining step after the inserting step.

18. (Withdrawn) The method of claim 16 wherein:

the one or more steps for applying a coating over the first surface comprises applying the coating around the at least one spacer element.

19. (Previously presented) The method of claim 8 wherein the flat element is a flat plate.

20. (Previously presented) The method of claim 8 wherein the flat element is not the rotor.